

LISTING OF THE CLAIMS:

1. (previously presented) An image display apparatus comprising:

a plurality of prism sheets provided between an image emitting surface of an image generating part in said image display apparatus and an image display surface of said image display apparatus,

the plurality of prism sheets being placed so as to be respectively corresponded to display elements in a one-to-one relationship, each of which display elements is a minimum display unit forming an image, and

the plurality of prism sheets each provided with a prism surface, having micro prisms with equal height, on an exit surface so that light rays incident on an incident surface exit in a vertical direction of said incident surface.

2. (previously presented) The image display apparatus according to Claim 1, wherein said image display apparatus is an organic electroluminescence display and comprises a metal electrode layer, an electron carrying layer formed on an upper surface of said metal electrode layer, an emitting layer formed on an upper surface of said electron carrying layer, a hole carrying layer formed on an upper surface of said emitting layer, an Indium Tin Oxide film formed on an upper surface of said hole carrying layer, a glass substrate arranged on an upper surface of said

Indium Tin Oxide film and a circularly polarizing filter and an antireflection film arranged on an upper surface of said glass substrate, and wherein each of said plurality of prism sheets is provided between said Indium Tin Oxide film and said antireflection film, and placed as non-interfering areas so as to be respectively corresponded to the display elements in a one-to-one relationship, each of which is a minimum display unit forming an image of said emitting layer.

3. (previously presented) The image display apparatus according to Claim 2, wherein each of said plurality of prism sheets is laminated between said glass substrate and said circularly polarizing filter.

4. (previously presented) The image display apparatus according to Claim 1, wherein said image display apparatus is a liquid crystal display and comprises a lower substrate part including a first glass substrate, a first polarizing filter formed under a lower surface of said first glass substrate, and a first Indium Tin Oxide film formed on an upper surface of said glass substrate and provided with display elements that are minimum display units forming an image in a matrix, a light-introducing plate arranged under a lower surface of said lower substrate part, a light source arranged adjacently to said light-introducing plate, an upper substrate part including a second glass substrate, a color filter divided so as to be respectively

corresponded to said display elements that are said minimum display units forming said image and formed on said second glass substrate and a second Indium Tin Oxide film that is a common electrode formed under a lower side of said second glass substrate, liquid crystal elements arranged between said lower substrate part and said upper substrate part, a second polarizing filter provided on an upper surface of said upper substrate part and antireflection film provided on said second polarizing filter, and wherein each of said plurality of prism sheets is provided between said upper substrate part and said antireflection film, placed so as not to cause interference between adjacent prism sheets.

5. (previously presented) The image display apparatus according to Claim 4, wherein each of said plurality of prism sheets is provided between said second polarizing filter and said antireflection film.

6. (previously presented) The image display apparatus according to Claim 4, wherein each of said plurality of prism sheets is provided between said upper substrate sheet and said second polarizing filter.

7. (previously presented) An image display apparatus, comprising:

an organic electroluminescence display layer comprising red, green, and blue display elements arranged in a matrix and for emitting red, green, and blue light rays;

a glass substrate located on said display layer;

a plurality of prism sheets for condensing the emitted light rays emitted from said display elements;

a display surface layer located on said plurality of prism sheets, wherein,

said plurality of prism sheets is divided by separators as adjacent contacting prism areas for each of the red, blue, and green display elements, the separators ensuring that light from one display element passes only through a corresponding prism area and does not pass into any adjacent prism areas, and

each of said plurality of prism sheets includes a planar surface through which the emitted light enters as scattered light rays and a prism surface, having micro prisms with equal height, to condense the scattered light rays exiting in a vertical upward direction of the display surface by an optical refraction function of the prism surface, the condensed light rays exiting through the prism surface.

8. (previously presented) The apparatus of claim 7, further comprising a transparent control electrode layer located on said display layer.

9. (previously presented) The apparatus of claim 7,
wherein,

said display surface layer comprises:

a circularly polarizing filter layer located on said plurality of prism sheets; and

an antireflection film laminated against said circularly polarizing filter layer.

10. (previously presented) The apparatus of claim 7,
wherein each of said plurality of said prism sheets is laminated in two or more layers between said display layer and the display surface layer.

11. (previously presented) A liquid crystal image display apparatus, comprising:

a first transparent electrode layer;

a liquid crystal display layer located on said first transparent electrode layer, the display layer comprising display elements of minimum display units forming an image in a matrix;

a second transparent electrode layer located on said display layer;

a color filter of red elements, green elements, and blue elements located to color light rays passing through the display layer, each of the red elements, the green elements, and the blue elements in said color filter corresponding to one display element of the display layer;

separators separating each of the color filter elements from adjacent color filter elements so that light from each display element passes through only one color filter element;

a polarizing filter located on said color filter;

a plurality of prism sheets each placed to correspond to the red elements, the green elements, and the blue elements of said color filter in a one-to-one relationship; and

a display surface layer laminated on said plurality of prism sheets, wherein,

each of said plurality of prism sheets is divided by separators as adjacent contacting prism areas for the corresponding red, blue, and green elements, the separators ensuring that light from any one element of said color filter passes only through the corresponding prism area and does not pass into any adjacent prism areas, and

each of said plurality of prism sheets includes a planar lower surface through which planar surface the light enters as scattered light rays incident on an incident surface and optical paths are refracted by an optical refraction function of a prism surface to condense the scattered light rays in a vertical upward direction of the display surface, said prism surface having micro prisms with equal height.

12. (previously presented) The apparatus of claim 11, wherein each of said plurality of said prism sheets is laminated

in two or more layers between said polarizing filter and said display surface layer.